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***Facsimile Transmittal***

**DATE:** March 19, 2007

**TO:** USPTO

**FAX NUMBER:** (571) 273-8300

**FROM:** Charles D. Brown, Reg. No. 28,285

**RE:** U.S. Patent Application Serial No. 10/780,533  
Attorney Docket No. 060862C1

**Number of Pages Sent:** 10 (including this transmittal cover sheet)

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**MESSAGE:**

Please see the attached. Please contact Barbara Agnihotri at (858) 658-3041 if not all pages transmit.

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PTO/SB/81 (11-96)  
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Please type a plus sign (+) inside this box →



**POWER OF ATTORNEY  
OR  
AUTHORIZATION OF AGENT,  
NOT ACCOMPANYING  
APPLICATION**

<i>Application Number</i>	10/780,533
<i>Filing Date</i>	February 17, 2004
<i>First Named Inventor</i>	Beomsup Kim
<i>Group Art Unit</i>	2817
<i>Examiner Name</i>	Arnold M. Kinkoad
<i>Attorney Docket Number</i>	060862C1

I hereby appoint:

☒ Practitioners at Customer Number 23696

OR

☐ Practitioner(s) named below:

As my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

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I am the:

☐ Applicant.

☒ Assignee of record of the entire interest  
*Certificate under 37 CFR 3.73(b) is enclosed*

**SIGNATURE of Applicant or Assignee of Record**

Name	Charles D. Brown, Reg. No. 28,285, VP, Division Patent Counsel, Qualcomm Incorporated
Signature	<i>Charles D. Brown</i>
Date	March 19, 2007

QUALCOMM Incorporated  
5775 Morehouse Drive  
San Diego, California 92121-1714  
Telephone: (858) 658-5787  
Facsimile: (858) 658-2502

(POA\_NOTAPPL.VER1.4-02/04/04)

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PTO/SB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Kim  
 Application No./Patent No.: 6,960,962 Filed/Issue Date: 11/1/2005  
 Entitled: VOLTAGE CONTROLLED OSCILLATOR

QUALCOMM INCORPORATED, a corporation  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is 100% in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Beomsup Kim To: Berkana Wireless Inc.  
 The document was recorded in the United States Patent and Trademark Office at Reel 012643, Frame 0814, or for which a copy thereof is attached.
2. From: Berkana Wireless Inc. To: Qualcomm Incorporated (See additional documents)  
 The document was recorded in the United States Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.
3. From: To:  
 The document was recorded in the United States Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

☒ Additional document in the chain of title is enclosed. (Not yet recorded)

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

March 19, 2007  
 DATE

858-651-6731  
 TELEPHONE NUMBER

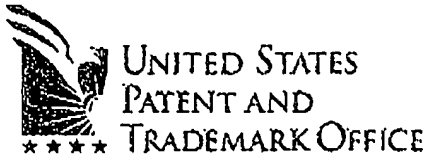
Charles D. Brown, Reg. No. 28,285  
 NAME

Charles D. Brown  
 SIGNATURE

VP, Division Patent Counsel, Qualcomm Incorporated  
 TITLE

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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LEE VAN PELT  
4906 EL CAMINO REAL  
SUITE 205  
LOS ALTOS, CA 94022



\*102008357A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/20/2002

REEL/FRAME: 012643/0814  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
KIM, BEOMSUP

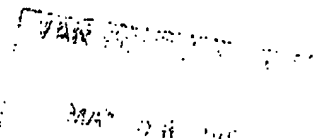
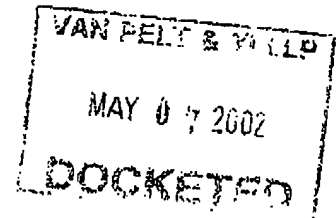
DOC DATE: 01/15/2002

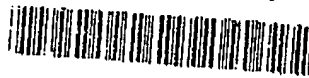
ASSIGNEE:  
BERKANA WIRELESS, INC.  
2005 HAMILTON AVENUE, SUITE 200  
SAN JOSE, CALIFORNIA 95125

SERIAL NUMBER: 10003729  
PATENT NUMBER:

FILING DATE: 11/14/2001  
ISSUE DATE:

LAZENA MARTIN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS





To: Honorable Commissioner of Patents

102008357

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Please record the attached original document(s) or copy thereof.

Name of conveying party(ies)

a) Beomsup Kim

2. Name and address of receiving party(ies):

a) Name: Berkana Wireless, Inc.

b) Address: 2005 Hamilton Avenue, Suite 200  
San Jose, CA 95125

3. Nature of conveyance

☒ Assignment☐ Security Agreement☐ Other \_\_\_\_\_

Merger



Change of Name



License Agreement

Execution Date: January 15, 2002

4. Application Number(s) or Patent Number(s): 10/003,729

The title of the (new) application is:

VOLTAGE CONTROLLED OSCILLATOR

5. Please send all correspondence concerning this (these) documents to:

Customer No. 21912  
Van Pelt & Yi LLP  
4906 El Camino Real, Suite 205  
Los Altos, CA 94022  
(650) 903-3500 (PH)  
(650) 903-3501 (FX)

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00



Enclosed



Any deficiencies are hereby authorized to be charged to Deposit Account No. 50-0685 (Order No. BEKAP002)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: January 25, 2002

  
 Lee Van Pelt

Registration No. 38,352

Attorney Docket No. BEKAP002

(Revised 01/96)

03/11/2002 LMUELLEK 00000033 10003729

01 FC:581

40.00 00

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

### VOLTAGE CONTROLLED OSCILLATOR

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on DATE, and which bears the Application No. 10/003,729.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to BERKANA WIRELESS, INC. a Delaware corporation having a place of business at 2005 Hamilton Avenue, Suite 200, San Jose, CA 95125 (hereinafter referred to as ("ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature: Beomsup Kim Date: 11/15/02  
Typed Name: Beomsup Kim

Atty Dkt. No. BEKAP002

# Delaware

PAGE 1

## The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

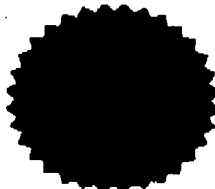
"BERKANA WIRELESS INC.", A DELAWARE CORPORATION,

WITH AND INTO "QUALCOMM INCORPORATED" UNDER THE NAME OF "QUALCOMM INCORPORATED", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE THIRD DAY OF JANUARY, A.D. 2006, AT 5:21 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

2271160 8100M

060003846



*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 4432025

DATE: 01-09-06

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 05:21 PM 01/03/2006  
FILED 05:21 PM 01/03/2006  
SRV 060003846 - 2271160 FILE

**CERTIFICATE OF OWNERSHIP AND MERGER**

**MERGING**

**Berkana Wireless Inc.**  
(a Delaware corporation)

into

**QUALCOMM Incorporated**  
(a Delaware corporation)

**(PURSUANT TO SECTION 253 OF THE  
DELAWARE GENERAL CORPORATION LAW)**

QUALCOMM Incorporated, a corporation organized and existing under the laws of the State of Delaware (the "Company"), does hereby certify:

1. The Company is the owner of one hundred percent (100%) of the outstanding shares of each class of capital stock of Berkana Wireless Inc., a Delaware corporation ("Subsidiary").

2. The Company, by the following resolutions adopted on December 5, 2005 by the Board of Directors of the Company, hereby merges Subsidiary into the Company:

"WHEREAS, following the completion of its acquisition of Subsidiary, the Company will be the legal and beneficial owner of one hundred percent (100%) of the outstanding shares of each class of stock of Subsidiary.

WHEREAS, it is deemed in the best interests of the Company and its stockholders to consolidate its entity organizations by merging Subsidiary with and into the Company (the "Merger") and to assume all of the Subsidiary's liabilities and obligations.

WHEREAS, Section 253 of the Delaware General Corporation Law provides that a 100% wholly owned subsidiary corporation may be merged with and into its parent corporation upon the adoption of an appropriate resolution by the Board of Directors of the parent corporation and the filing of a Certificate of Ownership and Merger with the appropriate Secretary of State offices.

RESOLVED, that the Merger is approved and that the Company shall merge the wholly-owned Subsidiary into the Company and the Company shall assume all obligations of the Subsidiary pursuant to Section 253 of the Delaware General Corporation Law.

RESOLVED FURTHER, that the Certificate of Incorporation and Bylaws of the Company shall not be amended and shall remain the Certificate of Incorporation and Bylaws of the surviving corporation.

01/04/2006  
336110-94



RESOLVED FURTHER, that the officers of the Company, and any of them, are each hereby authorized and directed to execute all documents, agreements and other instruments and to take such actions and perform such acts as they may deem necessary or advisable to carry out and perform the purposes of these resolutions.

RESOLVED FURTHER, that the Company shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the State of Delaware and by the applicable laws of any other jurisdiction and will cause to be performed all necessary acts within Delaware and in any other applicable jurisdiction necessary and appropriate to effect the Merger."

3. This Certificate of Ownership and Merger shall be effective on January 3, 2006.

*[Remainder of page intentionally left blank.]*

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336110-94

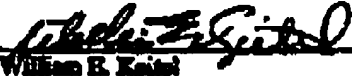
01/09/2006 08:33 FAX 3028552480

002/002

IN WITNESS WHEREOF, the Company has caused this Certificate of Ownership and  
Merger to be signed by its Executive Vice Presidents and Chief Financial Officer.

Dated: January 3, 2006

QUALCOMM INCORPORATED,  
a Delaware corporation

  
William R. Keitel  
Executive Vice President and  
Chief Financial Officer

07647109  
12810-04